

I. THREE-PHASE INDUCTION MOTORS TO 100 KW

GROUP A

| Model        | KW at Synchronous RPM |      |     | Net Weight, kg |      | Price,<br>Rubles |
|--------------|-----------------------|------|-----|----------------|------|------------------|
|              | 1500                  | 1000 | 750 | A              | AL   |                  |
| A31          | 0.6                   | -    | -   | 16.5           | 12   | 120              |
| A42 and AL42 | 2.8                   | 1.7  | -   | 41.5           | 29.5 | 227              |
| A62          | 14                    | 10   | 7   | 138            | -    | 635              |
| A81          | 40                    | 28   | 20  | 360            | -    | 1,550            |
| A92          | 100                   | 75   | 55  | 665            | -    | 2,890            |

GROUP B

| Model            | RPM  | KW  | Net weight, kg |      | Price,<br>Rubles |
|------------------|------|-----|----------------|------|------------------|
|                  |      |     | A              | AL   |                  |
| A31-2 and AL31-2 | 3000 | 1   | 16.5           | 12   | 132              |
| A42-2 and AL42-2 | 3000 | 4.5 | 42             | 30.5 | 250              |
| A62-2            | 3000 | 20  | 143            | -    | 695              |
| A81-2            | 3000 | 55  | 370            | -    | 1,860            |
| A92-2            | 3000 | 125 | 685            | -    | 3,480            |

GROUP C

| Model          | KW at Synchronous RPM |      |     | Net Weight, kg |      | Price,<br>Rubles |
|----------------|-----------------------|------|-----|----------------|------|------------------|
|                | 1500                  | 1000 | 750 | A0             | AOL  |                  |
| A031 and AOL31 | 0.6                   | -    | -   | 20             | 12.5 | 142              |
| A042 and AOL42 | 2.8                   | 1.7  | -   | 45             | 31   | 270              |
| A062           | 10                    | 7    | 4.5 | 162            | -    | 650              |
| A082           | 40                    | 28   | 20  | 495            | -    | 2,330            |
| A094           | 100                   | 75   | 55  | 890            | -    | 4,350            |

(continued)

I. THREE PHASE INDUCTION MOTORS, TO 100 KW - 2

GROUP D

| Model        | KW   | RPM  | Net weight, kg | Price, rubles |
|--------------|------|------|----------------|---------------|
| A62-8/4      | 5    | 720  | 140            | 760           |
|              | 7    | 1450 |                |               |
| A81-8/4      | 14   | 730  | 360            | 1,860         |
|              | 20   | 1470 |                |               |
| A92-8/4      | 40   | 730  | 665            | 3,480         |
|              | 55   | 1470 |                |               |
| A62-12/6     | 3    | 470  | 140            | 760           |
|              | 5    | 960  |                |               |
| A81-12/6     | 9    | 480  | 360            | 1,860         |
|              | 14   | 970  |                |               |
| A92-12/6     | 25   | 485  | 665            | 3,480         |
|              | 40   | 975  |                |               |
| A62-8/6/4    | 3.5  | 695  | 140            | 830           |
|              | 4.5  | 940  |                |               |
|              | 5    | 1400 |                |               |
| A81-8/6/4    | 10   | 710  | 360            | 2,010         |
|              | 12.5 | 960  |                |               |
|              | 14   | 1430 |                |               |
| A92-8/6/4    | 28   | 710  | 665            | 3,770         |
|              | 36   | 960  |                |               |
|              | 40   | 1430 |                |               |
| A62-12/8/6/4 | 1.3  | 460  | 125            | 730           |
|              | 2    | 705  |                |               |
|              | 2.5  | 910  |                |               |
|              | 3    | 1410 |                |               |
| A92-12/8/6/4 | 17   | 470  | 660            | 3,920         |
|              | 24   | 715  |                |               |
|              | 28   | 950  |                |               |
|              | 36   | 1440 |                |               |

GROUP E

|          |      |      |    |     |
|----------|------|------|----|-----|
| A031-4/2 | 0.45 | 1420 | 21 | 177 |
| A042-4/2 | 0.6  | 2840 |    |     |
|          | 2.1  | 1430 | 45 | 338 |
|          | 2.8  | 2850 |    |     |

I. THREE PHASE INDUCTION MOTORS, TO 100 KW - 3

## GROUP II (continued)

| Model          | KW   | RPM  | Net weight, kg | Price, rubles |
|----------------|------|------|----------------|---------------|
| A062-8/4       | 3.5  | 720  | 165            | 760           |
|                | 5.0  | 1450 |                |               |
| A082-8/4       | 14   | 730  | 495            | 2,800         |
|                | 20   | 1470 |                |               |
| A094-8/4       | 40   | 730  | 890            | 5,220         |
|                | 45   | 1470 |                |               |
| A062-12/6      | 2.0  | 470  | 165            | 760           |
|                | 3.5  | 950  |                |               |
| A082-12/6      | 9    | 480  | 495            | 2,800         |
|                | 14   | 970  |                |               |
| A094-12/6      | 25   | 485  | 890            | 5,220         |
|                | 40   | 975  |                |               |
| A042-6 1/2     | 1.0  | 950  | 45             | 338           |
|                | 1.3  | 1450 |                |               |
|                | 1.7  | 2680 |                |               |
| A062-8/6/4     | 2.5  | 720  | 165            | 810           |
|                | 3.0  | 950  |                |               |
|                | 3.5  | 1450 |                |               |
| A082-8/6/4     | 10.0 | 720  | 495            | 2,940         |
|                | 12.5 | 970  |                |               |
|                | 14.0 | 1450 |                |               |
| A094-8/6/4     | 28   | 730  | 890            | 5,510         |
|                | 35   | 950  |                |               |
|                | 40   | 1470 |                |               |
| A0-62-12/8/6/4 | 1.3  | 470  | 165            | 835           |
|                | 2.0  | 725  |                |               |
|                | 2.5  | 930  |                |               |
|                | 3.0  | 1430 |                |               |
| A082-12/8/6/4  | 6.0  | 480  | 495            | 3,020         |
|                | 8.5  | 725  |                |               |
|                | 10.0 | 960  |                |               |
|                | 12.5 | 1460 |                |               |
| A094-12/8/6/4  | 17   | 480  | 890            | 5,660         |
|                | 24   | 730  |                |               |
|                | 28   | 970  |                |               |
|                | 36   | 1470 |                |               |

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GROUP F

| Model  | kW at Synchronous RPM |      |     | (Net weight, kg) | Price, rubles |
|--------|-----------------------|------|-----|------------------|---------------|
|        | 1500                  | 1000 | 750 |                  |               |
| AP-62  | 14                    | 10   | 7   | 140              | 700           |
| AP-81  | 40                    | 28   | 20  | 360              | 1,710         |
| AP-92  | 100                   | 75   | 55  | 665              | 3,200         |
| AOP-42 | 2.8                   | 1.7  | -   | 45               | 25            |
| AOP-62 | 10                    | 7    | 4.5 | 165              | 700           |
| AOP-82 | 40                    | 28   | 20  | 495              | 2,500         |
| AOP-94 | 100                   | 75   | 55  | 890              | 4,930         |

GROUP G

|       |     |    |    |     |       |
|-------|-----|----|----|-----|-------|
| AK-62 | 14  | 10 | 7  | 160 | 1,150 |
| AK-81 | 40  | 28 | 20 | 400 | 2,700 |
| AK-92 | 100 | 75 | 55 | 750 | 4,650 |

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II. THREE PHASE INDUCTION MOTORS, ABOVE 100 KW

GROUP A

| Model  | KW at Synchronous RPM |      |      |      | Net wt.<br>(kg) | Price,<br>rubles |
|--|-----------------------|------|------|------|-----------------|------------------|
|  | 1500                  | 1000 | 750  | 600  |                 |                  |
| AM6-115 <sup>a</sup> /<br><sup>b</sup> /                   | 135                   | 75   | 60   | 45   | 1180            | 5,300            |
| AM6-115 <sup>b</sup> /                                     | 110                   | -    | -    | -    | 1180            | 6,300            |
| AM6-125 <sup>a</sup> /<br><sup>b</sup> /                   | -                     | 130  | 95   | 80   | 1520            | 7,100            |
| AM6-125 <sup>b</sup> /                                     | -                     | 110  | -    | -    | 1520            | 8,600            |
| AM6-128 <sup>a</sup> /<br><sup>b</sup> /                   | 300                   | 215  | 155  | 130* | 1870            | 9,000            |
| AM6-128 <sup>b</sup> /                                     | -                     | 190  | 125* | 100  | 1825            | 10,700           |
| AM6-138 <sup>a</sup> /<br><sup>b</sup> /<br><sup>c</sup> / | -                     | 320  | 245  | 180  | 2235            | 12,100           |
| AM6-138 <sup>b</sup> /                                     | 410                   | 280  | 200* | 165* | 2350            | 15,200           |
| AM6-138 <sup>c</sup> /                                     | 300                   | -    | -    | -    | 2300            | 17,500           |
| DAM6-115   | 135                   | -    | -    | -    | 1020            | 4,600            |
| DAM6-128   | 300                   | -    | -    | -    | 1870            | 7,800            |
| DAM6-138   | -                     | 320  | 245  | -    | 2100            | 10,500           |
| GAM6-115   | -                     | 75   | 60   | 45   | 970             | 4,600            |
| GAM6-125   | -                     | 130  | 95   | 80   | 1370            | 6,200            |
| GAM6-128   | -                     | 215  | 155  | 130* | 1710            | 7,800            |
| GAM6-138   | -                     | -    | -    | 180  | 2080            | 10,500           |
| DA6T6-110  | 110                   | -    | -    | -    | 1020            | 5,650            |
| DA6T6-125  | -                     | 185  | -    | -    | 1900            | 9,600            |
| DAMT6-138 <sup>b</sup> /<br><sup>c</sup> /                 | 410                   | 280  | 200  | -    | 2230            | 13,600           |
| DAMT6-138 <sup>b</sup> /                                   | 300                   | 190  | -    | -    | 2180            | 15,600           |
| GAMT6-125  | -                     | 110  | -    | -    | 1370            | 7,700            |
| GAMT6-128  | -                     | 190  | 125  | 100  | 1710            | 9,600            |
| GAMT6-138  | -                     | -    | -    | 165  | 2080            | 13,600           |

(continued)

a/ 220/380/380 and 500 volts.

b/ 3800 volts.

c/ 6000 volts.

\*Produced with pulleys only in installation type SHCH62 (i.e., on two shield and one stand pipe bearings, on common base plate, for belt drive).

II. THREE PHASE INDUCTION MOTORS, ABOVE 100 KW - 2

GROUP A (continued), FAMSO SERIES

| Model  | KW at Synchronous RPM |      |     |     |     | Net wt.<br>(kg.) | Price,<br>rubles |
|--------|-----------------------|------|-----|-----|-----|------------------|------------------|
|        | 1500                  | 1000 | 750 | 600 | 500 |                  |                  |
| 147b/  | 500                   | 380  | 260 | 200 | 140 | 3100             | 19,900           |
| c/     | 360                   | -    | 200 | -   | -   | 2900             | 22,900           |
| 1410b/ | 680                   | 520  | 370 | 280 | 210 | 3600             | 24,000           |
| c/     | 500                   | 380  | 260 | 200 | -   | 3600             | 26,400           |
| 1510b/ | 1100                  | 850  | 625 | 430 | 320 | 5100             | 32,000           |
| c/     | 850                   | 650  | 475 | 400 | 280 | 5100             | 37,000           |

DAMSO SERIES

|             |      |     |     |     |     |      |        |
|-------------|------|-----|-----|-----|-----|------|--------|
| 147b/       | 500  | 380 | 260 | 200 | 140 | 3000 | 17,270 |
| c/          | 360  | -   | 200 | -   | -   | 3000 | 19,000 |
| 1410b/      | 680  | 520 | 370 | 280 | 210 | 3550 | 21,500 |
| c/          | 500  | 380 | 260 | 200 | -   | 3550 | 23,200 |
| 1510b/      | 1100 | 850 | 625 | 430 | 320 | 5050 | 28,000 |
| c/          | 850  | 650 | 475 | 400 | 280 | 5050 | 31,400 |
| DAZ-15-10-8 | -    | -   | 300 | -   | -   | 7000 | 53,000 |
| DAZ-148-4   | 440  | -   | -   | -   | -   | 3200 | 23,600 |

GROUP B

| Model      | Synchronous RPM | KW  | Volts           | Net wt.<br>(kg.) | Price,<br>rubles |
|------------|-----------------|-----|-----------------|------------------|------------------|
| MAD-114-8  | 750             | 55  | 220/380         | 1070             | 5,000            |
| MAD-126-8  | 750             | 130 | 220/380 and 500 | 1500             | 9,300            |
| MAB-138-6  | 1000            | 330 | 500             | 2600             | 14,500           |
| KAMO-111-2 | 3000            | 100 | 220/380; 380    | 970              | 5,700            |
| KAMO-123-2 | 3000            | 220 | 380             | 1570             | 8,700            |
| KAMO-124-2 | 3000            | 275 | 380 and 500     | 1710             | 10,300           |
| KAMO-122-2 | 3000            | 160 | 3000            | 1370             | 9,300            |
| KAMO-133-2 | 3000            | 360 | 3000            | 2100             | 13,300           |
| KAMO-134-2 | 3000            | 350 | 6000            | 2230             | 16,500           |

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III. THREE-PHASE INDUCTION MOTORS, EXPLOSIVE-PROOF AND CUTTING

| Model      | kW at Synchronous RPM |      |     | Net wt.<br>(kg) | Price,<br>rubles |
|------------|-----------------------|------|-----|-----------------|------------------|
|            | 1500                  | 1000 | 750 |                 |                  |
| MA-142-2   | 8                     | 5.5  | 4   | 158             | 740              |
| MA-145-1   | 36                    | 25   | 20  | 510             | 2,646            |
| MA-146-2   | 85                    | 61   | 46  | 820             | 4,200            |
| MA-145-F-1 | -                     | 21   | 18  | 620             | 4,750            |
| MA-146-F-2 | -                     | 52   | 42  | 930             | 7,500            |
| KD-11      | 8                     | 6    | 4   | 180             | 1,010*           |
| KD-32      | 32                    | 25   | 20  | 555             | 3,000*           |
| KD-52      | 100                   | 75   | 50  | 1070            | 5,900* 10,000*   |
| K-11       | 4                     | 3    | -   | 160             | 900              |
| K-32       | 15                    | 15   | 11  | 530             | 2,700            |
| MA-36-71   | 120                   | 80   | 65  | 1338            | 7,100            |
| MA-36-72F  | 120                   | 90   | 70  | 1557            | 11,000           |
| TAG-21     | 0.9                   | -    | -   | 44              | 290              |
| TAG-32     | 3.5                   | 2.3  | -   | 112             | 550              |

| Model      | Synch.<br>RPM | kW  | Net weight, kg | Price,<br>rubles |
|------------|---------------|-----|----------------|------------------|
| MA-35-41/2 | 3000          | 18  | 380            | 2,710            |
| MA-35-51/2 | 3000          | 35  | 635            | 4,500            |
| MA-35-71/2 | 3000          | 125 | 1410           | 9,800            |
| KD-11-2    | 3000          | 8   | 135            | 1,150* 2,120*    |
| KD-32-2    | 3000          | 32  | 555            | 3,400* 6,250*    |
| KD-52-2    | 3000          | 100 | 1070           | 6,800* 12,600*   |
| MARP-114-6 | 750           | 55  | 1080           | 6,500            |
| MARP-117-8 | 750           | 95  | 1380           | 8,100            |
| MARP-128-8 | 750           | 160 | 1900           | 10,800           |

\*1st column of prices for normal insulation; second column for silicon organic insulation.

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IV. SYNCHRONOUS MOTORS AND GENERATORS

| Model  | RPM  | KW   | KVA | KW with<br>cos =<br>0.8 | Volts   | Net wt.<br>(kg) <sup>a</sup> | Price,<br>rubles <sup>b</sup> |
|--|------|------|-----|-------------------------|---------|------------------------------|-------------------------------|
| <b>A. GENERATORS TO 100 KW</b>               |      |      |     |                         |         |                              |                               |
| AM-10  | 1500 | 0.75 | -   | -                       | 120     | 64                           | 300                           |
| AM-85  | 1500 | 6.0  | -   | -                       | 120     | 178                          | 1,000                         |
| AM-290                                       | 1500 | 50.0 | -   | -                       | 230     | 600                          | 5700                          |
| SG-35-6                                      | 1000 | -    | 35  | 28                      | -       | 470                          | 2290                          |
| MSA-73-4-A                                   | 1500 | -    | 30  | 24                      | -       | 330                          | 3600                          |
| SGS-6-25                                     | 1500 | -    | -   | 5.0                     | 230     | 170                          | 1690                          |
| SG-4c-1                                      | 1500 | -    | 4   | 3.2                     | -       | 120                          | 1600                          |
| SCT-25/6                                     | 1000 | -    | 25  | -                       | 400     | 325 <sup>b</sup>             | 2100                          |
| <b>B. MOTORS OVER 100 KW</b>                 |      |      |     |                         |         |                              |                               |
| SM-125                                       | 1000 | 113  | -   | -                       | -       | 1450                         | 3300                          |
| SM-136                                       | 750  | 146  | -   | -                       | -       | 2100                         | 11,000                        |
| <b>DS SERIES</b>                             |      |      |     |                         |         |                              |                               |
| 1406-6                                       | 1000 | 296  | 400 | -                       | 380     | 3250                         | 20,200                        |
| 1406-8                                       | 1000 | 265  | 360 | -                       | 3000    | 3180                         | 22,700                        |
| 1505-10                                      | 750  | 221  | 300 | -                       | 380     | 3200                         | 20,000                        |
| 1505-10                                      | 600  | 204  | 280 | -                       | 3000    | 3200                         | 23,000                        |
| 1506-12                                      | 600  | 249  | 340 | -                       | 380     | 4000                         | 24,000                        |
| 1506-12                                      | 500  | 237  | 325 | -                       | 3000    | 3900                         | 27,500                        |
| 1504-16                                      | 375  | 111  | 160 | -                       | 380     | 4090                         | 24,300                        |
| 1507-6                                       | 1000 | 421  | 570 | -                       | 6000    | 3210                         | 20,000                        |
| 1510-8                                       | 750  | 501  | 670 | -                       | 6000    | 4450                         | 34,000                        |
| <b>C. GENERATORS OVER 100 KW (GS SERIES)</b> |      |      |     |                         |         |                              |                               |
| 1405-6                                       | 1000 | 264  | 330 | -                       | 400     | 3030                         | 15,700                        |
| 1506-8                                       | 750  | 376  | 470 | -                       | 400     | 3900                         | 25,000                        |
| 1405-10                                      | 750  | 320  | 400 | -                       | 6300    | 3900                         | 27,000                        |
| 1405-12                                      | 600  | 152  | 190 | -                       | 400     | 3000                         | 19,500                        |
| 1505-16                                      | 375  | 128  | 160 | -                       | 400     | 3150                         | 23,400                        |
| 1505-20                                      | 300  | 156  | 195 | -                       | 400/230 | 3360                         | 21,700                        |
| 1506-6                                       | 1000 | 120  | 150 | -                       | 400/230 | 3070                         | 20,000                        |
|  |      |      |     | -                       | 6300    | 4250                         | 38,000                        |

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a/ Weights of motors and generators over 100 kw include exciter.

b/ Cost of excitors not included.

c/ Weight includes stabilizer.

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V. HYDROGENERATORS, VERTICAL, SYNCHRONOUS, THREE-PHASE

| Model             | RPM   | KVA  | KW   | Volts   | Net wt.<br>(kg) | Price,<br>rubles a |
|-------------------|-------|------|------|---------|-----------------|--------------------|
| <u>Series WGS</u> |       |      |      |         |                 |                    |
| 1-325/39-20       | 300   | 3750 | 3000 | 6300    | 45,000          | 315,800            |
| exciter           | 300   | -    | 52   | 110     |                 |                    |
| 1-325/39-28       | 214   | 2300 | 1840 | 6300    | 45,500          | 310,200            |
| exciter           | 214   | -    | 45   | 110     |                 |                    |
| 1-325/49-32       | 187   | 3125 | 2500 | 6300    | 47,000          | 320,000            |
| exciter           | 187   | -    | 65   | 160     |                 |                    |
| 1-325/29-40       | 150   | 1500 | 1200 | 6300    | 41,000          | 295,100            |
| exciter           | 150   | -    | 45   | 115     |                 |                    |
| 1-325/39-40       | 150   | 2000 | 1600 | 6300    | 43,000          | 305,500            |
| exciter           | 150   | -    | 55   | 140     |                 |                    |
| 2-325/24-40       | 150   | 750  | 600  | 6300    | 20,700          | 143,800            |
| exciter           | 750   | -    | 21   | 80      |                 |                    |
| 2-325/20-46       | 130.5 | 375  | 300  | 6300    | 18,700          | 135,400            |
| exciter           | 975   | -    | 28.5 | 100     |                 |                    |
| 2-325/24-46       | 130.5 | 625  | 500  | 6300    | 19,600          | 105,300            |
| exciter           | 975   | -    | 28.5 | 100     |                 |                    |
| 2-325/24-60       | 100   | 375  | 300  | 6300    | 19,600          | 150,400            |
| exciter           | 800   | -    | 21   | 80      |                 |                    |
| 3-260/20-24       | 250   | 850  | 680  | 6300    | 16,500          | 141,000            |
| exciter           | 980   | -    | 20   | 115     |                 |                    |
| 4-213/11-20       | 300   | 250  | 200  | 400/230 | 6,500           | 67,700             |
| exciter           | 1000  | -    | 10   | 75      |                 |                    |
| 4-213/15-20       | 300   | 375  | 300  | 400/230 | 7,400           | 77,000             |
| exciter           | 1000  | -    | 10   | 75      |                 |                    |
| 4-213/11-24       | 250   | 200  | 160  | 400/230 | 6,000           | 65,800             |
| exciter           | 1000  | -    | 10   | 75      |                 |                    |
| 4-213/15-24       | 250   | 250  | 200  | 400/230 | 7,000           | 75,200             |
| exciter           | 1000  | -    | 10   | 75      |                 |                    |
| 4-213/20-24       | 250   | 375  | 300  | 400/230 | 7,600           | 77,000             |
| exciter           | 1000  | -    | 10   | 75      |                 |                    |
| 4-213/24-28       | 214   | 450  | 360  | 400     | 9,423           | 90,000             |
| exciter           | 1000  | -    | 10   | 75      |                 |                    |

a/Price includes cost of exciter for models of the group WGS 1-325. Exciter cost not included in prices of other models.

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ADDITIONAL DESCRIPTIVE NOTES FOR MOTORS AND GENERATORS  
(MINIFIN Price Book, Volume II)

I. THREE-PHASE INDUCTION MOTORS TO 100 KW

GROUP A (pp. 472-473) - Shorted rotor, shielded. Installation Type SHCH-2 (see explanation below). Series A, cast iron casing, series AL, aluminum. Voltage - 220/380 and 500. Also 127/220 for models A-31 and A-42, and AL-42.

GROUP B (p. 473) - Same.

GROUP C (pp. 473-474) - Same, except that models are enclosed and ventilated.

GROUP D (pp. 475-476) - Shorted rotor, shielded, multispeed, for 220/380 and 500 volts. Installation SHCH2.

Series with suffix 8/4: 750 and 1500 synchronous RPM.

12/6: 500 and 1000 " "

8/6/4: 750, 1000 and 1500

12/8/6/4: 500, 750, 1000, 1500

GROUP E (pp. 476-478) - Shorted rotor, enclosed and ventilated for 220/380 and 500 volts. Installation SHCH2.

Series ending 4/2: 1500 and 3000 synchronous RPM.

8/4: 750 and 1500

12/6: 500 and 1000

6/4/2: 1000, 1500 and 3000

8/6/4: 750, 1000 and 1500

12/8/6/4: 500, 750, 1000 and 1500

GROUP F (p. 480) - Shorted rotor, increasing starting moment for 220/380 and 500 volts. Installation, SHCH2. Series AP, shielded; series AOP, enclosed and ventilated.

GROUP G (p. 481) - Phased rotor, shielded for 220/380 and 500 volts. Installation SHCH2.

SURCHARGES (as percent of indicated prices) levied for installation type design changes (p. 482).

| <u>Installation Type</u>                                | <u>Surcharge (\$ of<br/>base price)</u> |
|---|---|
| 1. Horizontal, flange on bearing shield (P2)            | 20                                      |
| 2. Flange on bearing shield and case on feet (SHCH2/P2) | 20                                      |
| 3. Vertical, flange on lower shield (VZ)                | 30                                      |
| 4. With second free shaft end                           | 5                                       |

<sup>a</sup>/The base price is for standard SHCH2 installation type; horizontal with frame on feet.

ADDITIONAL DESCRIPTIVE NOTES... (cont.)

## VI. THREE-PHASE INDUCTION MOTORS ABOVE 100 KW

**GROUP A (pp. 483-486) -**

Series AM6 = phased rotor, shielded.

DAM6 - shorted rotor with double cage, shielded for 220/380,  
380 and 500 volts.

GANG - shorted rotor with deep groove, shielded. Same voltage.

DAMT6 - shorted rotor with double cage, shielded. Designed for difficult operating conditions. 3000 volts.

GAM6 - Shorted rotor with deep groove, shielded. Designed for difficult operating conditions. 3000 volts.

PAN30- for difficult operating conditions.  
phased rotor, shielded with constantly leaning (?)  
(nalegmiushchli) brushes.

DAMAGED - shorted rotor.

DAZQ- shorted rotor, shielded, 6000 volts.  
DAZ-

The installation type is SHCB2 - on two-shield bearings with free shaft ends for fitting pulley or coupling. Series GAM6, DAS6, GANT6, DANT6, DAMSO can be obtained with two free shaft ends.

GROUP B (n. 486) -

(p. 400) - Series MAD and MAB - phased rotor, constantly leaning (?) brushes, shielded.

shielded.  
Series KAMO and KAMOU - shorted rotor, enclosed, ventilated, with  
two free shaft ends.

Installation type of all series, **SACM2**.

SURCHARGES (+) AND DISCOUNTS (-) RELATIVE TO BASE PRICES FOR DESIGN CHANGES (pp. 488-489)

| <u>Design Changes</u>   | <u>% of base price</u> |
|---|------------------------|
| 1. Enclosed, ventilated   | +10                    |
| 2. Second free shaft end (motors with phased rotors<br>are not produced with two free ends) | + 5                    |
| 3. Voltage changes: from 6000 to 3000   | - 9                    |
| 3000 to 500 and lower   | - 15                   |
| 500 to 3000   | + 18                   |
| 3000 to 6000  | + 10                   |

THREE-PHASE INDUCTION M. P. S. EXPLOSION PROOF AND CUTTING (pp. 489-491)

Series MA-140 - shorted rotor, enclosed with outer blowing (ventilation)  
380 volts.

Series MA-140P - same, except phased rotor.

Series XD - same as MA-140.

Series X - shorted rotor, enclosed without outer ventilation, 380 volts.

Model MA-36-71 - same as Series X.

Model MA-36-72P - same, except phased rotor.

Series TAC - shorted rotor, enclosed, 220/380 volts.

Series MA-35 - shorted rotor, enclosed, outer ventilation. Indicated KW  
output when temperature of surrounding air = 55°C.

Models KO-11-2, 32-2, 52-2 - shorted rotor, 2 pole, enclosed with outer  
ventilation for 380 volts.

Series MASP - phased rotor, "super-safe" for 220/380 and 500 volts.

All of the above - installation type SMCW2.

IV. SYNCHRONOUS MOTORS AND GENERATORS

A. Generators to 100 kw (p. 492)

Series aPS - single-phase, with self-exciter for 50 Hertz frequency, cyb/sec  
drip-shielded.

Models SG-35-6 and MSA-72-4A - three-phase, with exciter (included  
in weight and price), horizontal, open, on two-shield  
rolling bearings; 230 and 400 volts; 50 Hertz frequency, cyb/sec

Model SG8-6.PT - three-phase, shielded, self-exciting; 230 volts  
50 Hertz frequency, cyb/sec.

Model SG-4c-1 - three-phase, shielded, with self-excitation from  
selenium rectifier, with transformer-voltage-stabilizer.

Model SGT-25/6 - three-phase, self-excitation from mechanical recti-  
fier, automatic voltage regulation, 50 Hertz frequency, cyb/sec.

All models above, except SGT-25/6, are installation type SMCW. The model  
SGT-25/6 is horizontal, on two rolling bearings.

B. Motors Over 100 kw (pp. 493 and 495)

Series SM - three-phase, shielded; 220, 380 and 500 volts, SMCW type.

Series DS - three-phase, shielded.

C. Generators over 100 kw (p. 494)

Series GS - three-phase, shielded.